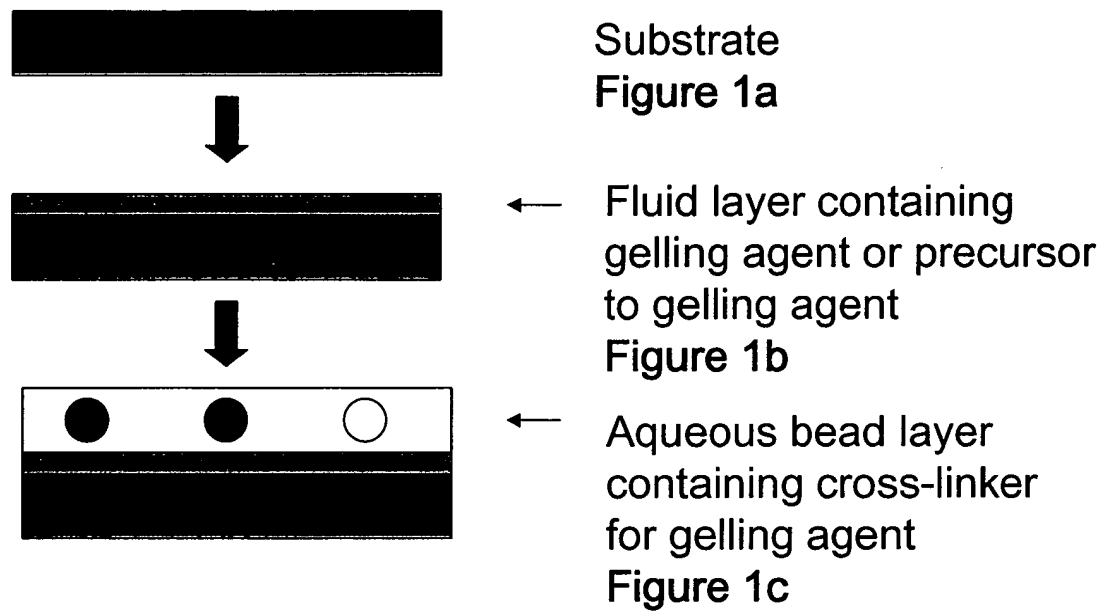
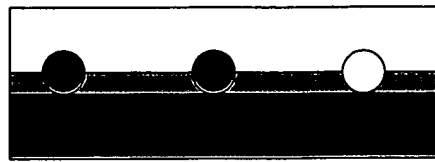


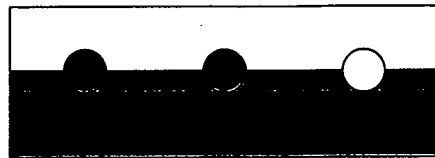
Figure 1

Process for Preparing Random Bead Micro-array

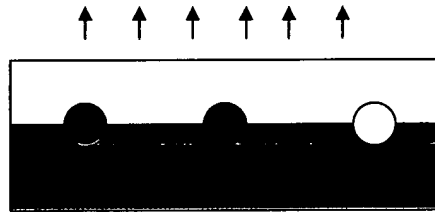




← Beads partially submerge into fluid layer containing gelling agent due to gravity
Figure 1d



← Gelling agent undergoes sol-gel transition to increase viscosity (preferred) and restrict lateral movement of beads
Figure 1e



← Water is evaporated from the top layer to expose the surface of the beads
Figure 1f



← Gelling agent undergoes cross-linking reaction to permanently fix the beads
Figure 1g

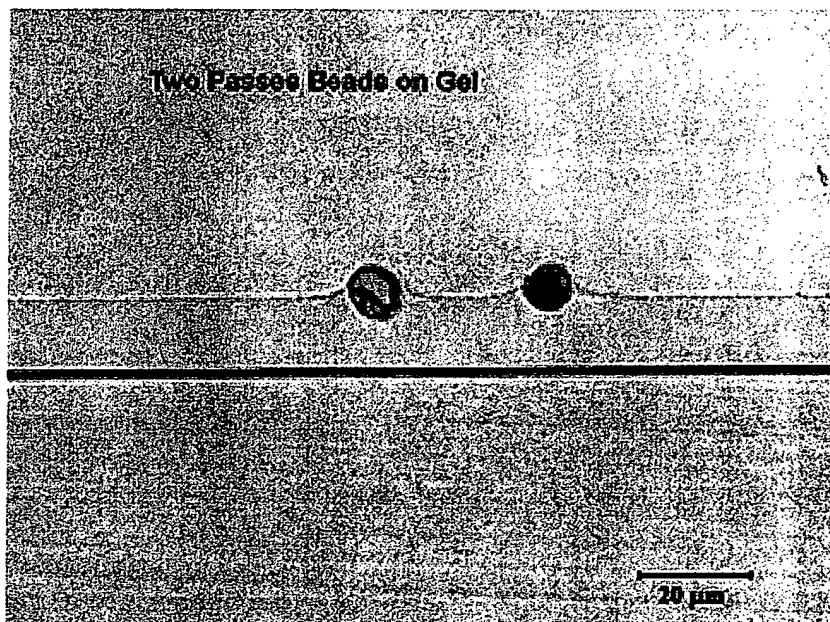


Fig. 3A

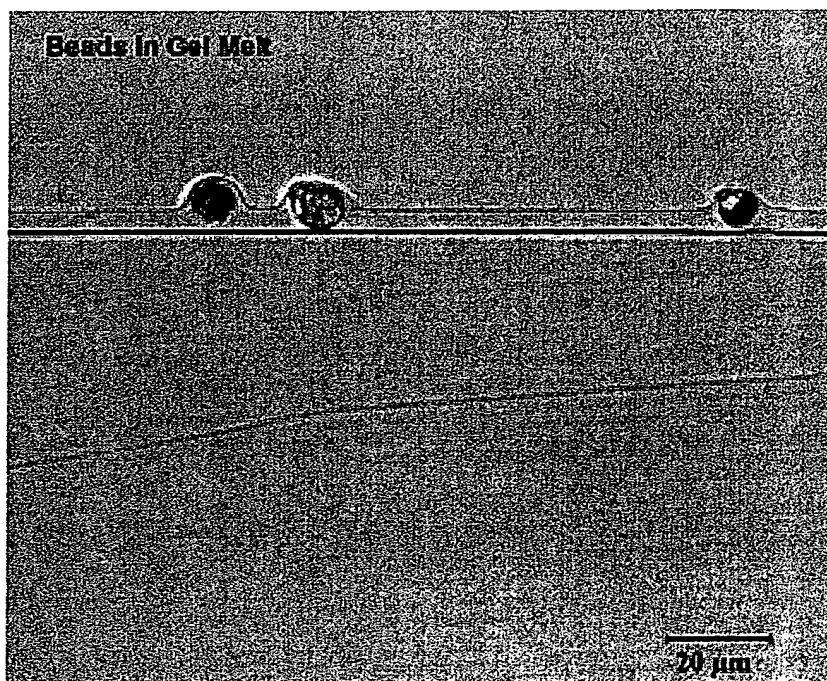


Fig. 3b